

17224 U.S. PTO
06/12/03

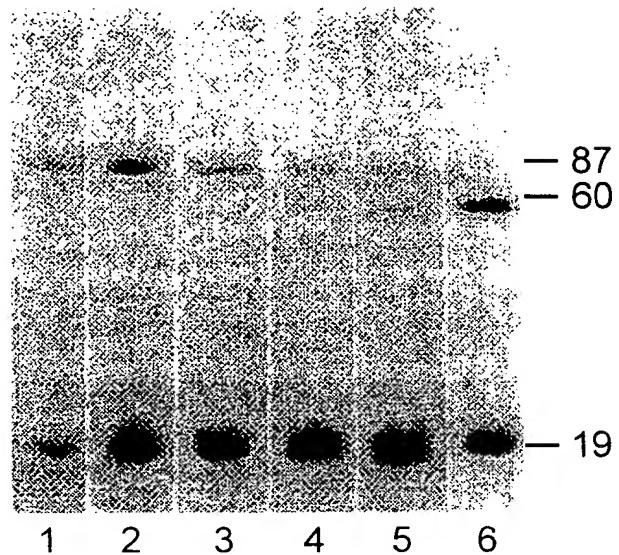


FIG. 1

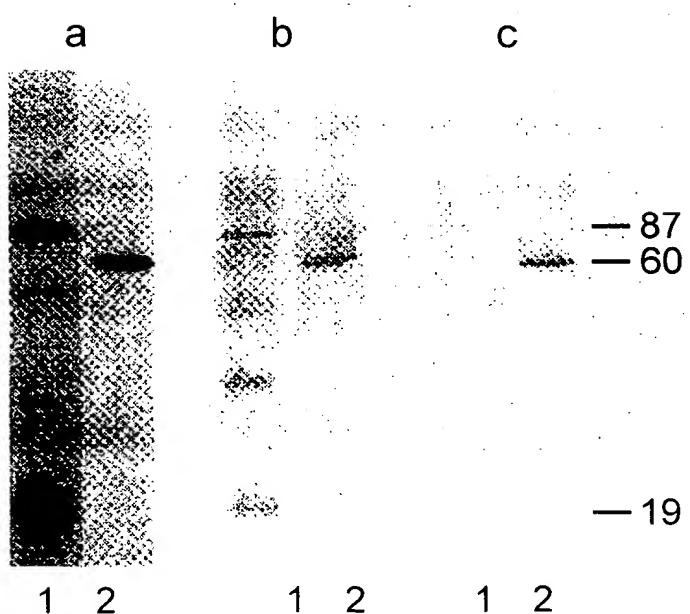


FIG. 2

BEST AVAILABLE COPY

17224 U. S. PTO
06/12/03

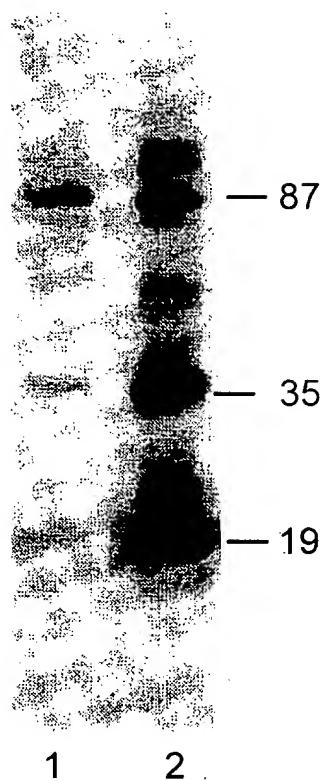


FIG. 3

BEST AVAILABLE COPY

17224 U.S. PTO
06/12/03

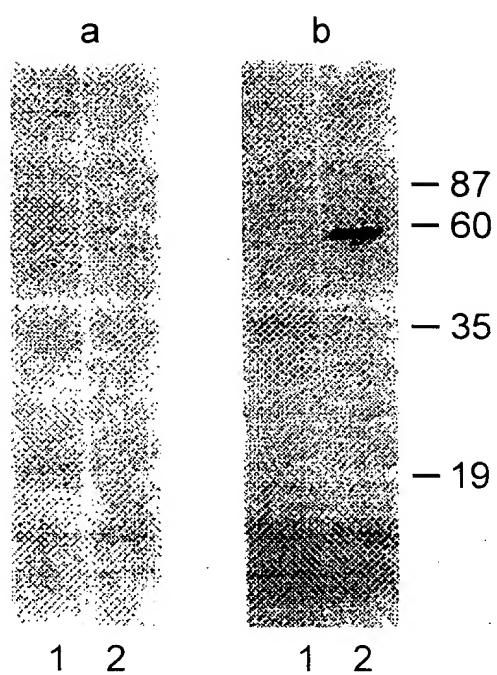


FIG. 4

BEST AVAILABLE COPY

17224 U.S. PTO
06/12/03

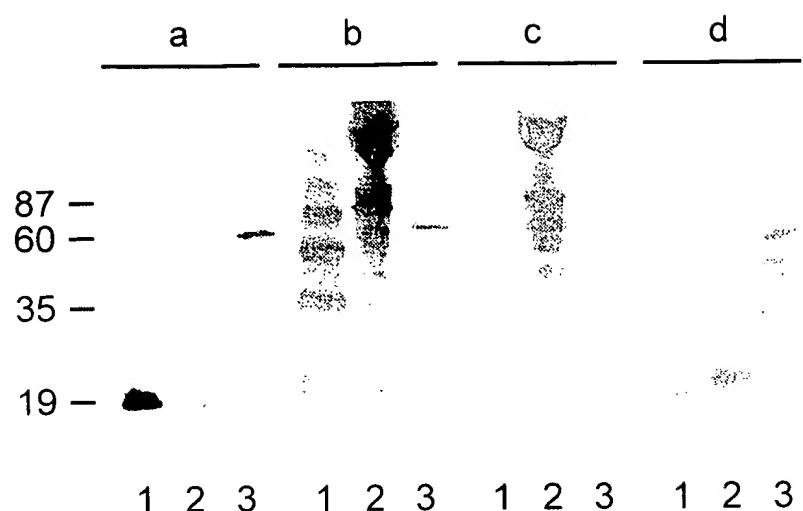


FIG. 5

BEST AVAILABLE COPY

17224 U.S. PTO
06/12/03

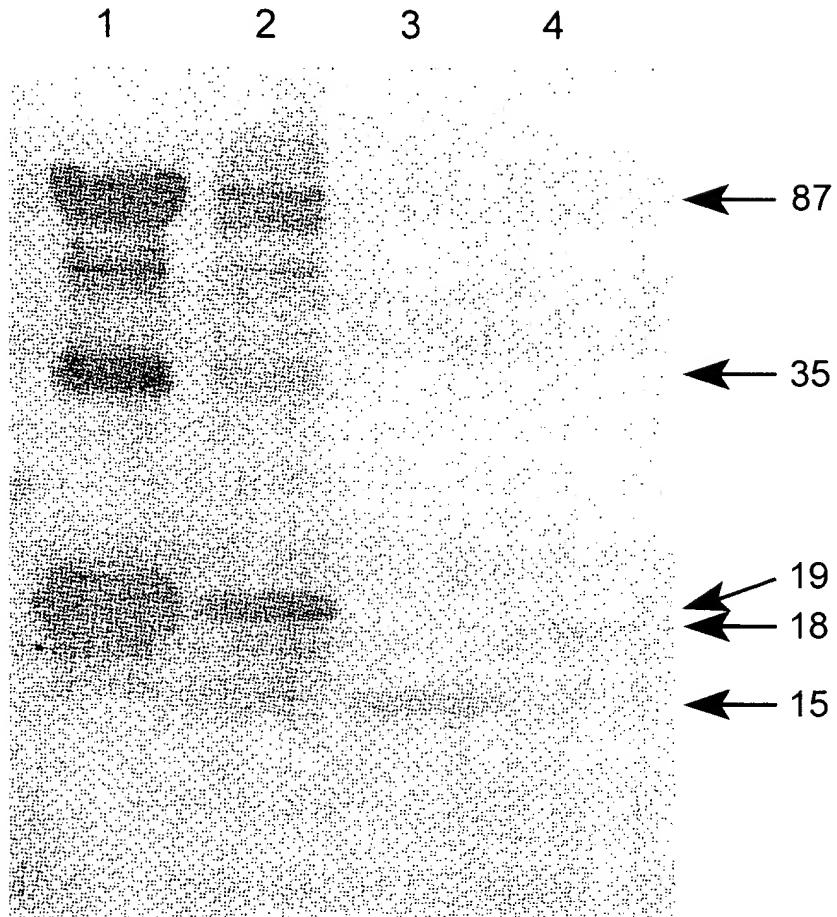
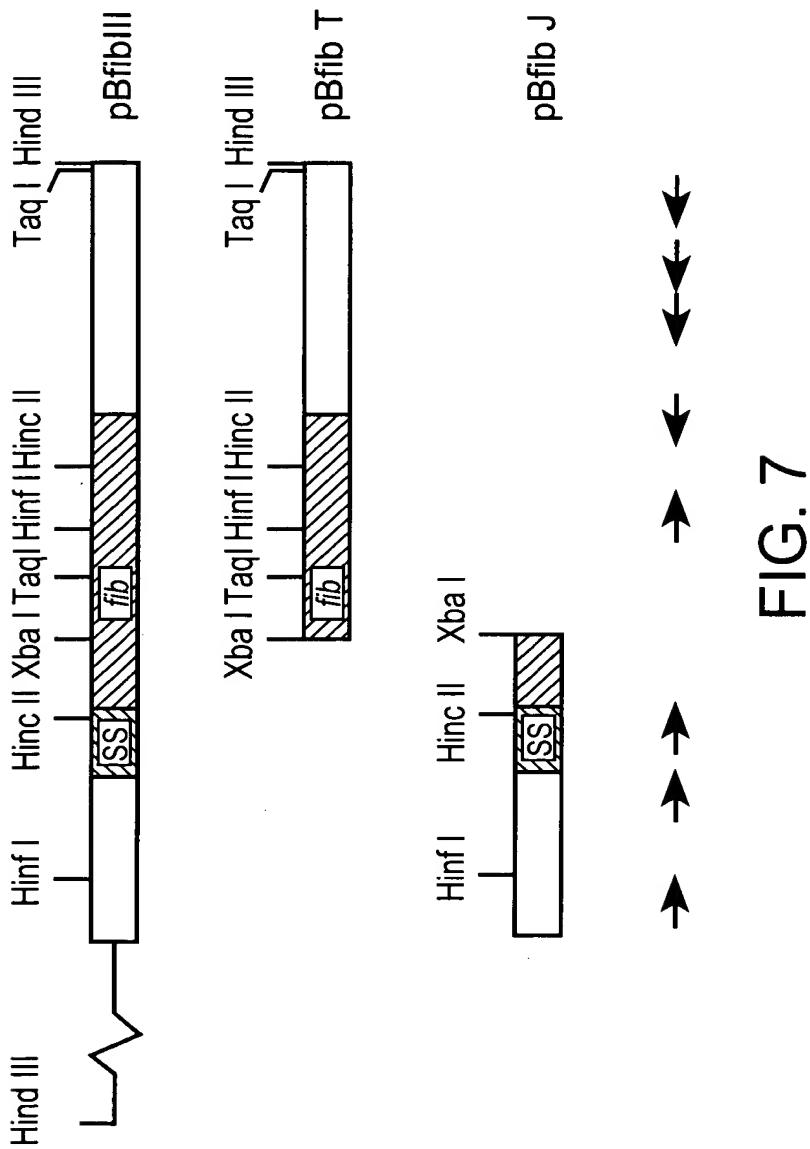


FIG. 6

BEST AVAILABLE COPY





1 GACTAGTGATAAGTGCTGATGAGTCACAAGATAGATAACTATATTGTCTATATTATA 60
-35
61 AAGTGTTATAGTTAATTAAATAATTAGTTAATTCAAAAGTTGTATAAATAGGATAACTT 120
-18 -35
121 AATAATGTAAGATAATAATTTGGAGGATAATTAAACATGAAAAATAATTGATAGCAAA 180
-18 M K N K L I A K
181 TCTTTATTAAACAATAGCGGCAATTGGTATTACTACAACTACAATTGCGTCAACAGCAGAT 240
S L L T I A A I G I T T T T I A S T A D
241 GCGAGCGAAGGATACGGTCCAAGAGAAAAGAAACCAAGTGAGTATTAAATCACAATATCGTA 300
A↑S E G Y G P R E K K P V S I N H N I V
301 GAGTACAATGATGGTACTTTAAATATCAATCTAGACCAAAATTAACTCAACACCTAAA 360
E Y N D G T F K Y Q S R P K F N S T P K
361 TATATTAAATTCAAACATGACTATAATATTAGAATTAACGATGGTACATTGAATAT 420
Y I K F K H D Y N I L E F N D G T F E Y
421 GGTGCACGTCCACAATTAAATAAACCAGCAGCAGCAACTATTAAACATATTAAAAAGAA 480
G A R P Q F N K P A A K T D A T I K K E
481 CAAAAATTGATTCAAGCTAAACTTGGAGAGAATTGAAAAACACATACTGTCAGT 540
Q K L I Q A Q N L V R E F E K T H T V S
541 GCACACAGAAAAGCACAAAGCAGTCAACTTAGTTCTGTTGAATACAAAGTGAAGAAA 600
A H R K A Q K A V N L V S F E Y K V K K
601 ATGGTCTTACAAGAGCGAATTGATAATGTATTAAACAAGGATTAGTGAGATAATACTTC 660
M V L Q E R I D N V L K Q G L V R *
661 TGTCATTATTTAAGTTCAAAATAATTAAATATTATATTATTTTATTAAATAAAACGAC 720
721 TATGCTATTAAATGCCAGGTTAATGTAACTTCCTTAAATTGACTATATAATCGTTAAGT 780
781 ATCAATTTTAAGGAGAGTTTACAATGAAATTAAAAATATATATTAAACAGGAACATTAG 840
M K F K K Y I L T G T L A
841 CATTACTTTATCATCAACTGGGATAGCAACTATAGAAGGGAATAAGCAGATGCAAGTA 900
L L L S S T G I A T I E G N K A D A S S
901 GTCTGGACAAATATTAACTGAAAGTCAGTTTCATGATAAACGCATAGCAGAAGAATTAA 960
L D K Y L T E S Q F H D K R I A E E L R
961 GAACTTACTTAACAAATCGAATGTATGCATTAGCTGCAGGAAGCTT 1009
T L L N K S N V Y A L A A G S 1



1	ATAGATAACTATTTGTCTATATTATAAAGTGT	TTAGTTAATTAAATTAGTTAA	60									
1	G	CA	60									
61	TTCAAAAGTTGTATAAATAGGATAACTTAATAA	ATGTAAGATAATAATTGGAGGATAA	120									
61			120									
121	TTAACATGAAAAATAAATTGATAGC	AAAATCTTATTAAACAATAGCGGCAATTGGTATTA	180									
121	G	GC	T	A	180							
181	CTACAAC	TACAATTGCGTCAACAGCAGATGCGAGCGAAGG	ACGGTCCAAGAGAAAAGA	240								
181				240								
241	AACCAGTGAGTATTAATCACAATATCGT	AGAGTACAATGATGGTACTTTAAATATCAAT	300									
241			300									
301	CTAGACCAAAATTAACTCAACAC	CTAAATATATTAAATTCAAACATGACTATAATATT	360									
301			360									
361	TAGAATTAA	CGATGGTACATTGAATATGGGCACGTCCACAATT	TAATAAACCGAGCAG	420								
361				420								
421	CGAAA	ACTGATGCAACTATTAAAAAGAACAAAATTGATT	CAAGCTAAAATCTTGTGA	480								
421				480								
481	GAGAATTGAAAAACACATACTGTCAGTGCACAC	AGAAAAGCACAAAGGCAGTCAACT	540									
481			540									
541	TAGTTTGT	TTGAATAACAAAGTGAAGAAAATGGCTTACAAGAGCGAATTGATAATGTAT	600									
541			600									
601	TAAAACAAGGATTAGTGAGATAATAC	TTCTGTCATTATTTAAGTTCAAAA...TAATT	660									
601	T	A	AA	C	GC	G	T	TC	GG	TAAT	660	
661	TAATATTATATTATTTTATTAATAAAACG	ACTATGCTATTAAATGCCAGGTTAATGTA	720									
661	A	G	G	A	G	G	AA	G	AT	A	720	
721	ACTTCC	TTAAATTGACTATATAATCGTTAAGTATCAATT	TTAAGGAGAGTTACAATGA	780								
721	T	G	G		C	AG				C	T	780
781	AATTT	785										
781		785-										

FIG. 9



APPLN. FILING DATE: AUG. 27, 2001
TITLE: **[REDACTED]** URINogen BINDING PROTEIN
INVENTOR(S): WASTFELT ET AL
APPLICATION SERIAL NO: 09/938,497

SHEET 9 of 14

1	MKNKLIAKSLLTIAAIGITTTIASTADASEGYGPREKKPVSIHNIVEYNDGTFKYQSR	60
1	A	L
61	PKFNSTPKYIKFKHDYNILEFNDGTFEYGARPQFNKPAAKTDATIKKEQKLIQAQNLVRE	120
61		120
121	FEKHTVSAHRKAQKAVNLVSFEYKVKKMVLQERIDNVLKQGLVR	165
121		K 165

FIG. 10



Fbg-bp, strain Newman:

SEGYGPR

EKKPVSSINH **NIVEYNDGSFK** **YQSRPKFNSTP**
KYIKFKHDY **NILEFNDGTEFE** **YGARPQFNKEA**

AKTDATIKKEQKLIAQANLVRREFEKHTVSAHRIKAQAVNLVSSEYKVKKMVLQERIDNVLKQGLV

Coagulase, strain 8325-4:

(C-terminal fragment)

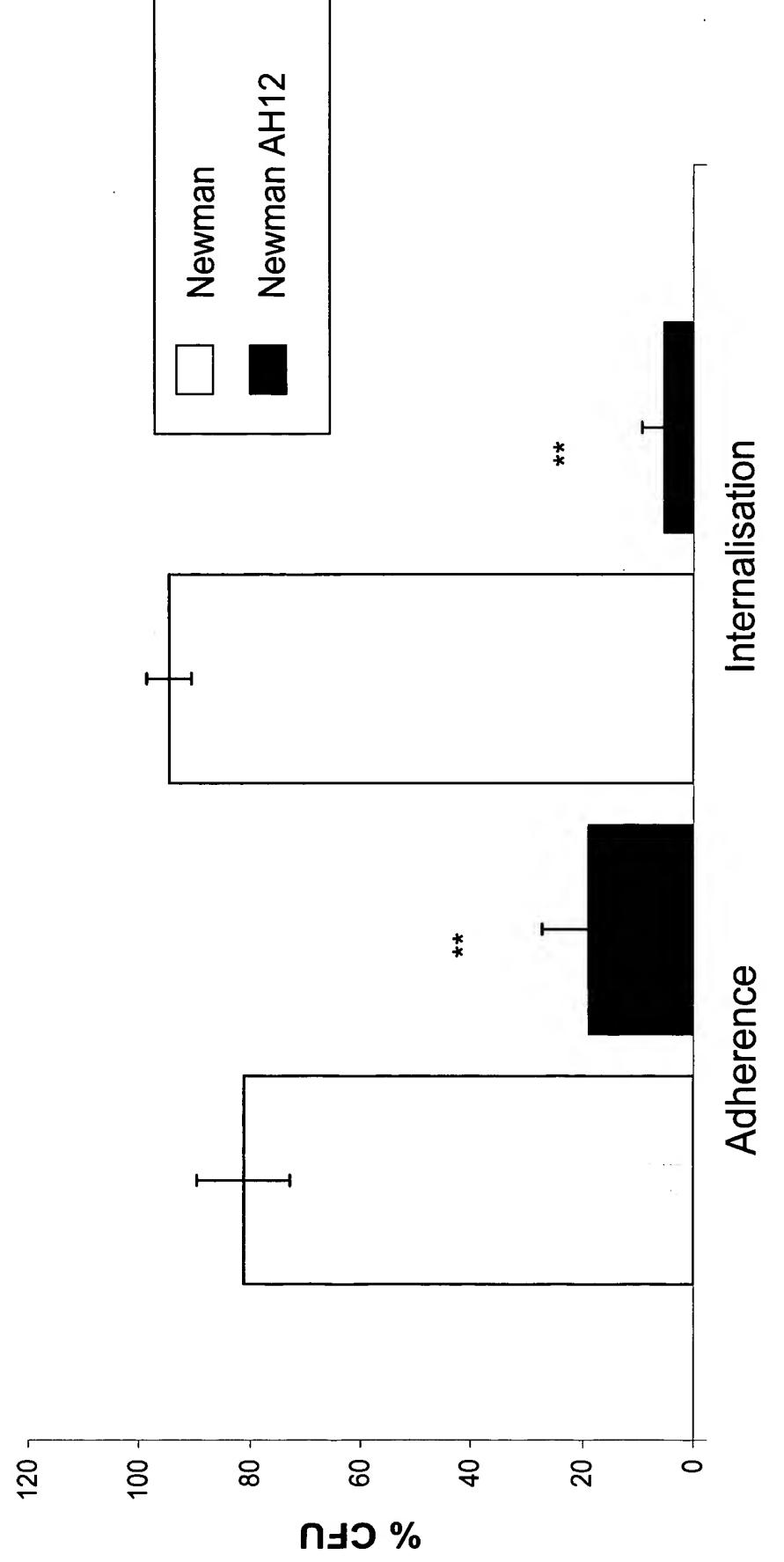
ASQ **YGPRPQFNKTP**
GIREYNDGTFG **YEARPRFNKPS**
ETNAY **YCARPPTYKKPS**
ETNAY **YCARPTQNKPS**
KTNAY **YCARQAQNKPS**
KTNAY **YCARPTYKKPS**
KTNAY **YGPRVTK**
KTNAY **NVTTHADGAT**

FIG. 11

JUN 12 2003

FIG. 12

Adherence and Internalisation to fibroblasts by Newman and Newman AH12 (Eap::Ery^R) O.N culture



JUN 12 2003

FIG. 13

**Adherence and Internalization into epithelial cells of Newman
and Newman AH12 (Eap::Ery^R), O.N culture**

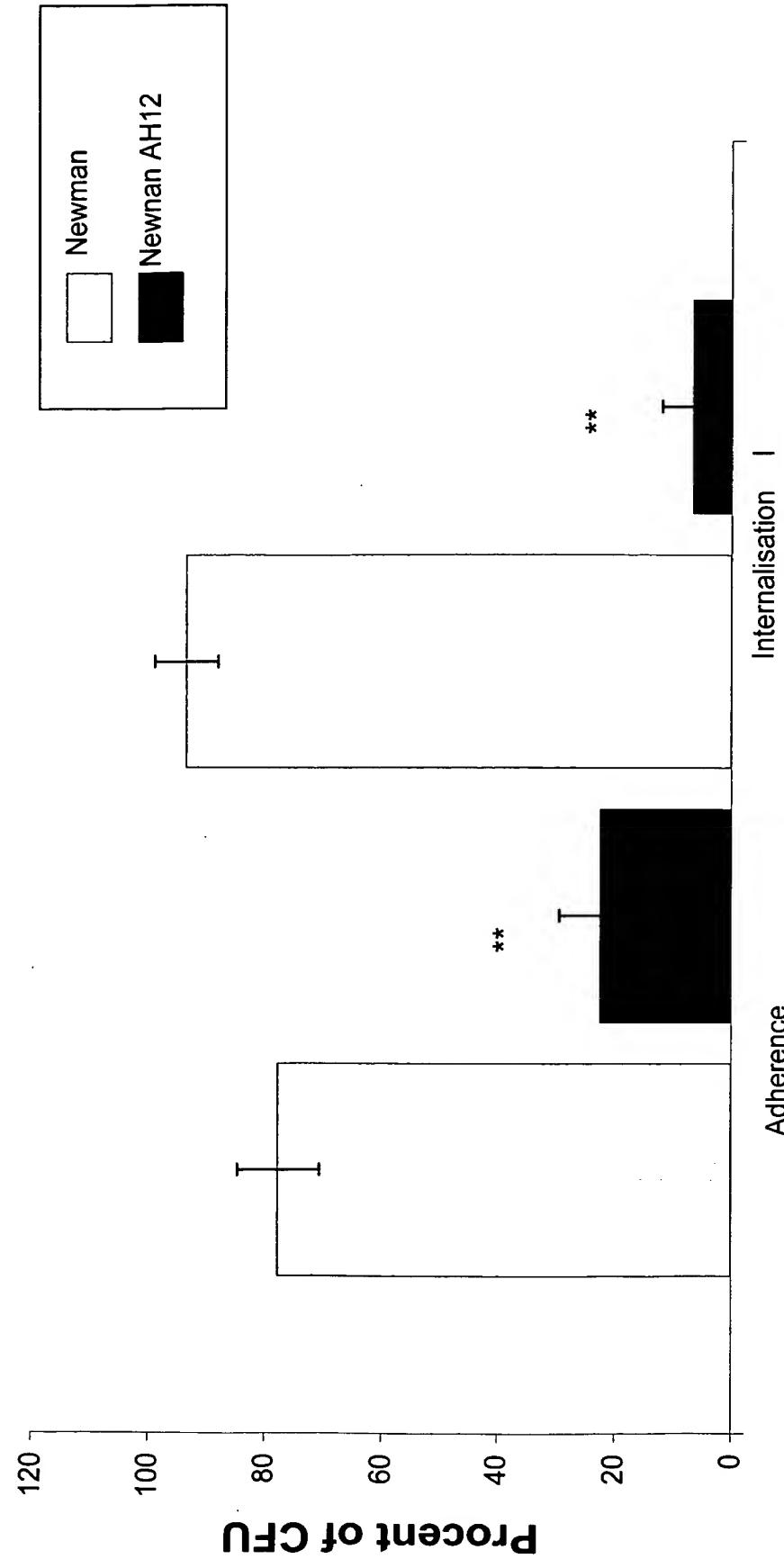




FIG. 14

Adherence and Internalisation to epithelial cells by a 2 hours culture of Newman and Newman AH12 (Eap::Ery^R)

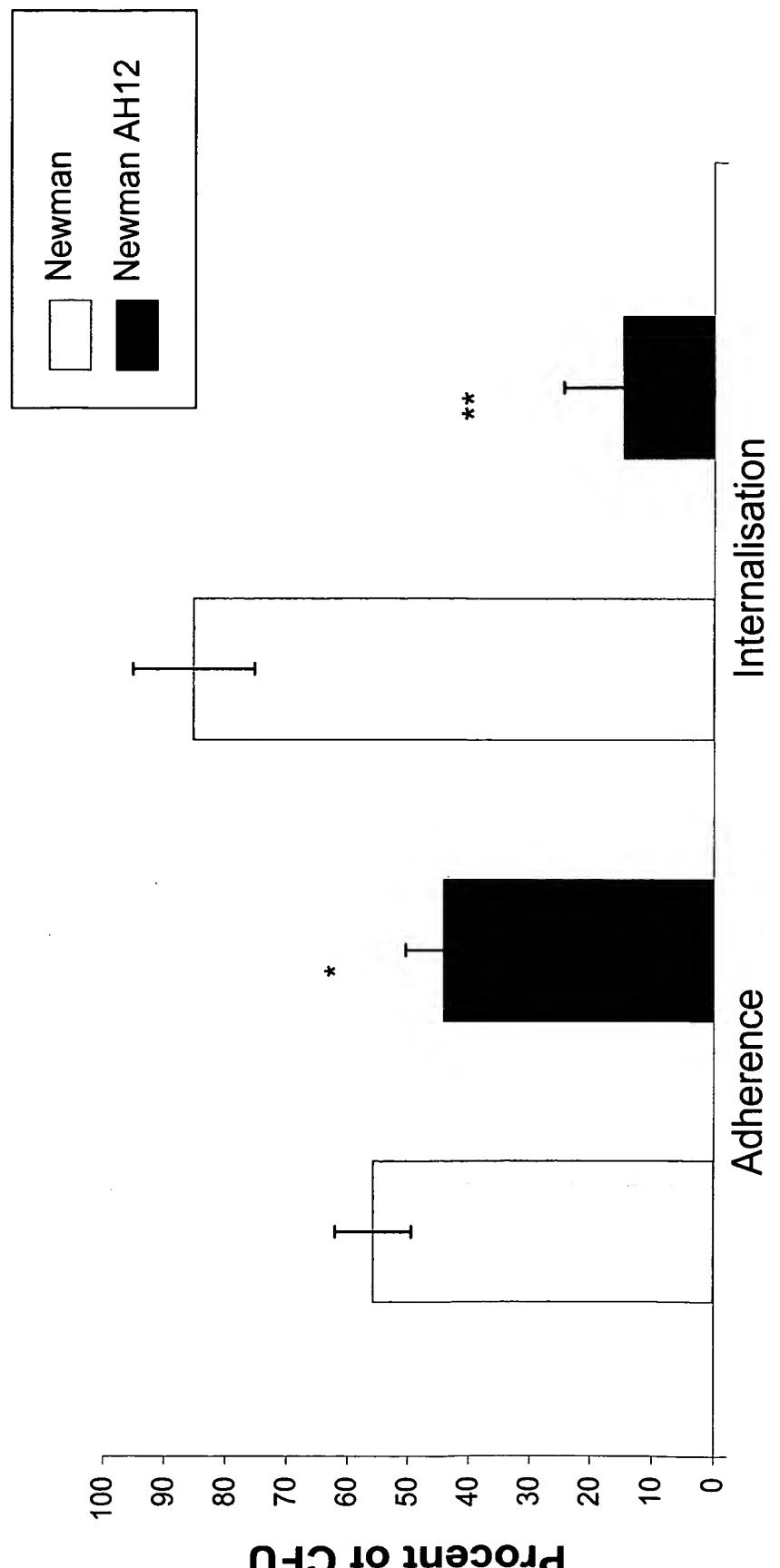




FIG. 15

**Internalisation to fibroblasts by strain Newman in the presence
or absence of Eap-AB**

